

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): A method of delivering a fluid that contains at least one (meth)acrylic monomer by a delivery pump comprising a) a pump cavity, b) a drive compartment, and c) a separator compartment that separates the pump cavity and the drive compartment,

and wherein

the pump cavity contains at least one delivery element for delivering the fluid;

the fluid is fed to the pump cavity with an input energy;

the fluid leaves the pump cavity with an output energy that exceeds the input energy;

a driveshaft driven in the drive compartment is run out from the drive compartment through the separator compartment into the pump cavity;

the at least one delivery element contained in the pump cavity is linked to the driveshaft run into the pump cavity such that the driveshaft is configured to transmit a torque to the delivery element;

the separator compartment is filled with a barrier medium comprising at least one of a barrier gas and a barrier liquid that differs from the fluid; and

the driveshaft is not supported within the pump cavity,

wherein

a pressure of the barrier medium exceeds a pressure in the pump cavity and a pressure in the drive compartment, and

a section of the driveshaft that runs through the separator compartment is fitted, both toward the pump cavity and toward the drive compartment, with sliding elements

permanently and impermeably attached to the driveshaft and that sealingly slide on the separator compartment inner walls through which the driveshaft passes.

Claim 12 (New): A method as claimed in claim 11, wherein the delivery pump is a centrifugal pump or a side channel pump.

Claim 13 (New): A method as claimed in claim 11, wherein the barrier medium used is a mixture of ethylene glycol and water.

Claim 14 (New): A method as claimed in claim 11, wherein the barrier medium used is an oxygen-containing gas.

Claim 15 (New): A method as claimed in claim 13, wherein the separator compartment loses from 0.2 to 0.5 ml/h of barrier medium.

Claim 16 (New): A method as claimed in claim 14, wherein the separator compartment loses from 120 to 150 Nml/h of barrier medium.

Claim 17 (New): A method as claimed in claim 13, wherein the barrier medium comprises from 30 to 40 wt% of ethylene glycol.

Claim 18 (New): A method as claimed in claim 14, wherein the barrier medium comprises from 4 to 21 vol% of oxygen.

Claim 19 (New): A method as claimed in claim 11, wherein the sliding element comprises SiC.

Claim 20 (New): A method as claimed in claim 11, wherein the fluid is a (meth)acrylic acid that contains ≥ 95 wt% of (meth)acrylic acid.